

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : ALPS ELECTRIC CO LTD

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(72)Inventor : ARAKI TSUTOMU

(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PURPOSE: To obtain the liquid crystal display device which can execute selectively a color display of various colors without necessitating a high cost.

CONSTITUTION: A backlight 2 is provided with a first backlight layer 2a having a light guiding plate 6 provided on the back of a liquid crystal display panel 1 and a cold cathode tube 8 arranged opposingly on the photodetecting face of this light guiding plate 6, a second backlight layer 2b having an LED substrate 9 provided on the back of the light guiding plate 6 and a 2-element type LED chip 10 which is mounted on the LED substrate 9, and emits a color light of a second color and a color light of a third color, and a lighting control means 14 for controlling lighting of the LED chip 10 and lighting of the cold cathode tube 8.

